

Table 8.14 Nonutility Power Producer Overview, 1989-1998

Item	1989 ¹	1990 ¹	1991 ¹	1992	1993	1994	1995	1996	1997	1998
Supply and Disposition										
(million kilowatthours)										
Gross Generation	R193,578	R223,786	R254,594	296,001	325,226	354,925	375,901	382,423	R384,496	R421,364
Receipts ²	R61,479	R63,743	R68,264	83,421	85,323	94,166	89,919	103,219	R88,506	R90,675
Sales to Utilities ³	81,229	106,224	129,118	164,374	187,466	204,688	217,906	224,646	R223,532	R249,483
Sales to End Users ⁴	17,687	19,824	11,419	10,786	15,569	17,626	15,548	14,284	R18,147	R25,777
Facility Use ⁵	R156,141	R161,482	R182,321	204,261	207,514	226,777	232,367	246,713	R231,323	R236,779
Fossil Fuel Consumption ⁶										
Coal ⁷ (thousand short tons)	30,762	R32,311	R38,119	44,607	48,343	52,261	R50,329	53,199	R52,913	R56,849
Petroleum Liquids ⁸ (thousand barrels)	28,377	R27,878	R27,882	R31,876	R36,960	R41,889	R35,031	R38,444	R35,594	R54,275
Petroleum Coke (thousand short tons)	NA	1,108	1,629	2,750	3,182	4,740	4,188	4,484	4,364	4,470
Natural Gas ⁹ (million cubic feet)	1,181,015	1,386,741	1,569,850	1,844,857	2,013,788	2,149,246	2,303,944	2,447,720	R2,231,363	R2,666,430
Gross Generation										
(million kilowatthours)	R193,578	R223,786	R254,594	296,001	325,226	354,925	375,901	382,423	R384,496	R421,364
Coal ⁷	31,511	32,131	40,587	47,363	53,367	59,035	60,234	61,375	R59,211	R70,369
Petroleum ¹⁰	5,742	7,330	7,814	10,963	13,364	15,069	15,049	14,959	R15,930	R17,533
Natural Gas ¹¹	R100,003	R117,399	R132,014	158,798	174,282	179,735	196,633	198,555	R207,527	R238,747
Other Gas ¹²	(¹³)	(¹³)	(¹³)	(¹³)	(¹³)	R12,478	R13,919	R14,604	R11,514	R8,802
Nuclear Electric Power	49	116	80	67	78	54	0	0	0	0
Conventional Hydroelectric Power	R8,689	R9,676	R9,541	9,446	11,511	13,227	14,774	16,555	R17,902	R14,633
Geothermal	R5,708	R7,430	R8,200	8,578	9,749	10,122	9,912	10,198	R9,382	R9,882
Wood ¹⁴	27,835	30,812	33,785	36,255	37,421	38,595	37,283	37,525	R34,898	R32,596
MSW ¹⁵ and LFG ¹⁶	R7,787	R10,613	R12,262	14,050	14,489	R15,404	R16,901	R16,348	R17,536	R18,101
Other Waste ¹⁷	R1,562	R1,840	R2,875	3,303	3,835	3,394	R3,395	R4,210	R2,883	R3,050
Wind	R2,302	R3,066	R3,050	2,916	3,052	3,482	3,185	3,400	R3,248	R3,015
Solar ¹⁸	R640	663	779	746	897	824	824	903	893	R887
Other ¹⁹	1,750	2,710	3,609	3,516	3,181	3,507	3,792	3,793	R3,572	R3,750
Installed Capacity ²⁰										
(megawatts)	R42,358	R48,473	R52,186	56,814	60,778	68,461	70,254	73,189	R74,004	R98,085
Coal ⁷	R6,911	R7,291	R7,659	8,503	9,772	10,372	10,877	11,370	R11,027	R13,712
Petroleum ¹⁰	R1,376	R1,334	R1,686	1,730	2,043	2,262	2,116	2,251	R2,924	R2,629
Natural Gas ¹¹	R15,539	R18,008	R21,056	21,542	23,463	26,925	27,906	30,166	R31,092	R37,325
Petroleum and Natural Gas (dual fired)	R5,179	R6,757	R5,411	8,478	8,505	9,820	10,479	10,912	R10,029	R23,105
Other Gas ¹²	(¹³)	(¹³)	(¹³)	(¹³)	(¹³)	1,130	R1,199	R298	R16	R198
Nuclear Electric Power	20	20	20	20	20	0	0	0	0	0
Conventional Hydroelectric Power	R2,290	R2,634	R2,656	2,684	2,741	3,364	3,399	3,419	R3,770	R4,136
Geothermal	R1,063	R1,123	R1,136	1,254	1,318	1,335	1,295	1,346	R1,303	R1,449
Wood ¹⁴	R5,856	R6,335	R6,824	6,805	7,046	7,416	6,885	7,263	R7,282	R6,887
MSW ¹⁵ and LFG ¹⁶	R1,697	R2,063	R2,348	2,361	2,411	2,590	R2,832	2,661	R2,825	R2,868
Other Waste ¹⁷	R255	R433	R556	645	720	561	R616	R830	R589	R626
Wind	R1,696	R1,911	R1,975	1,822	1,813	1,737	1,723	1,670	R1,566	R1,689
Solar ¹⁸	R280	360	360	360	360	354	354	354	354	R385
Other ¹⁹	R196	R207	R499	611	566	597	574	648	R1,229	R3,075

¹ Data for 1989-1991 were collected for facilities with capacities of 5 megawatts or more. In 1992, the threshold was lowered to include facilities with capacities of 1 megawatt or more. Estimates of the 1-to-5 megawatt range for 1989-1991 were derived from historical data. The estimation did not include retirements that occurred prior to 1992 and included only the capacity of facilities that came on line before 1992.

² Purchases, interchanges, and exchanges of electric energy with utilities and other nonutilities.

³ Sales, interchanges, and exchanges of electric energy with utilities.

⁴ Sales, interchanges, and exchanges of electric energy with entities other than utilities.

⁵ Calculated as the sum of gross generation and receipts minus sales to utilities and end users.

⁶ Data are for fuels consumed to produce both electricity and useful thermal output.

⁷ Coal, fine coal, anthracite culm, bituminous gob, lignite waste, tar coal, waste coal, and coke breeze.

⁸ Fuel oil nos. 1, 2, 4, 5, and 6, crude oil, kerosene, liquid butane, liquid propane, methanol, liquid byproducts, oil waste, sludge oil, and tar oil.

⁹ Natural gas only.

¹⁰ Fuel oil nos. 1, 2, 4, 5, and 6, crude oil, petroleum coke, kerosene, liquid butane, liquid propane, methanol, liquid byproducts, oil waste, sludge oil, and tar oil.

¹¹ Includes waste heat and waste gas.

¹² Butane, propane, blast furnace gas, coke oven gas, refinery gas, and process gas.

¹³ Included in "Natural Gas."

¹⁴ Wood, wood waste, black liquor, red liquor, spent sulfite liquor, pitch, wood sludge, peat, railroad ties,

and utility poles.

¹⁵ Municipal solid waste.

¹⁶ Landfill gas.

¹⁷ Methane, digester gas, liquid acetonitrile waste, tall oil, waste alcohol, medical waste, paper pellets, sludge waste, solid byproducts, tires, agricultural byproducts, closed loop biomass, fish oil, and straw.

¹⁸ Solar thermal and photovoltaic energy.

¹⁹ Hydrogen, sulfur, batteries, chemicals, and purchased steam.

²⁰ Installed capacity is the full-load continuous rating of a generator, prime mover, or other electrical equipment under specified conditions as designated by the manufacturer. It is usually indicated on a nameplate attached physically to the equipment. Installed station capacity does not include auxiliary or house units.

R=Revised. NA=Not available.

Notes: • Due to restructuring of the electric power sector, the sale of generation assets is resulting in reclassification of plants from electric utility to nonutility plants. • See Note 5 at end of section. • Totals may not equal sum of components due to independent rounding.

Web Page: <http://www.eia.doe.gov/fuelelectric.html>.

Sources: • 1989-1991—Estimated on the basis of data collected from Form EIA-867, "Annual Nonutility Power Producer Report." • 1992-1993—Energy Information Administration (EIA), *Electric Power Annual*, annual reports. • 1994-1998—EIA, *Electric Power Annual 1998, Volume II* (December 1999).